CONTENTS, VOLUME 29

July-August 1984

1 REVIEW. ***Complications of Intraocular Lenses. A Historical and Histopathological Review.*** David J. Apple, M.D., Nick Mamalis, M.D., Katherine Loftfield, M.D., Joseph M. Googe, M.D., Linda C. Novak, M.D., Dolores Kavka-Van Norman, M.S., Steven E. Brady, M.D., and Randall J. Olson, M.D.

55 DIAGNOSTIC AND SURGICAL TECHNIQUES. ***Preoperative Evaluation of the Cataractous Patient.*** Kenneth J. Hoffer, M.D.

70 PERSPECTIVES IN REFRACTION. ***Vertical Prisms. Why Avoid Them?*** Wayne W. Bixenman, M.D.

79 AFTERIMAGES. ***Nuclear Magnetic Resonance Imaging in Neuroophthalmology. Demonstration of a Pontine Glioma.*** W. Allen Carr, M.D., Robert J. Baumann, M.D., and Robert S. Baker, M.D.

84 BOOK REVIEWS

84 ***The Intraocular Lens, by Robert L. Stamper and Alan Sugar.*** Norman S. Jaffe

84 ***Atlas of the Peripheral Retina, by Frank C. Bell and William J. Stenstrom.*** Keith M. Zinn

85 ***Ophthalmology: A Clinical Introduction, by John W. Gittinger, Jr.*** Joel S. Mindel

85 ***Retinal Detachment and Allied Diseases, Volume 1, by Charles L. Schepens.*** Keith M. Zinn

86 CURRENT OPHTHALMOLOGY

86 M. Gilbert Grand comments on: ***Severe Diabetic Retinopathy in Adolescence, by R. Kingsley, G. Ghosh, P. Lawson, and E.M. Kohner***

87 Ian Constable comments on: ***Macular Pucker. I. Prognostic Criteria, by M.T. Trese, D.B. Chandler, and R. Machemer***

87 Stephen R. Waltman comments on: ***A Fluorophotometric Study of the Barrier Function in the Anterior Segment of the Eye After Intracapsular Cataract Extraction, by M. Sawa, M. Araie, and T. Tanishima***

88 C.P. Wilkinson comments on: ***Intraocular Foreign Body. Principles and Problems in the Management of Complicated Cases by Pars Plana Vitrectomy, by K. Heimann, H. Paulmann, and U. Tavakolian***

89 Simmons Lessell comments on: ***Aberrant Regeneration of the Third Nerve Following Orbital Trauma. Synkinesis of the Iris Sphincter, by J. Sebag and A.A. Sadun***

90 Robert N. Weinreb and Jon Polansky comment on: ***Steroid Responsiveness in Connective Tissue Diseases, by H. Gaston, M.J. Absolon, O.A. Thurtle, and M.A. Sattar***

92 TIME OPH

92 ***A Riddle/A Riddle Solved.*** George L. Spaeth

92 ***Thespian.*** Benjamin Milder

92 LETTERS. Stephen M. Drance

September-October 1984

93 REVIEW. ***The Nonspecific Orbital Inflammatory Syndromes.*** John S. Kennerdell, M.D., and Steven C. Dresner, M.D.

104 DIAGNOSTIC AND SURGICAL TECHNIQUES. ***Management of Orbital Inflammatory Disease. A Protocol.*** Joseph A. Mauriello, Jr., M.D., and Joseph C. Flanagan, M.D.

117 THERAPEUTIC REVIEWS. ***Ophthalmic Drug Delivery Systems.*** John W. Shell, Ph.D.

129 PERSPECTIVES IN REFRACTION. ***Night Myopia.*** G. Marion Hope, Ph.D., and Melvin L. Rubin, M.D.

137 MEDICOLEGALITIES. ***Problems of Conscience and Fact: Consulting on Medicolegal Claims.*** Jerome W. Bettman, M.D.

139 CLINICAL PATHOLOGICAL REVIEW. ***Morphologic Characteristics of Posterior Polymorphous Dystrophy. A Study of Nine Corneas and Review of the Literature.*** Antonio S. Henriquez, M.D., Ph.D., Kenneth R. Kenyon, M.D., Claes H. Dohlman, M.D., S. Arthur Boruchoff, M.D., S. Lance Forstot, M.D., Roger F. Meyer, M.D., and Laila A. Hanninen

148 CLINICAL CHALLENGES. ***Melting Corneas With Collapsing Nose.*** Joseph B. Michelson, M.D. ***Comments*** by Alan Sugar, M.D., Joel Sugar, M.D., and Mark J. Mannis, M.D.

155 HISTORY OF OPHTHALMOLOGY. ***Algernon B. Reese: A Biographical Sketch.*** Ira Snow Jones, M.D.

159 CURRENT OPHTHALMOLOGY

159 S. Samuel Gelbart comments on: ***Monocular Visual Form Deprivation in Human Infants, by S.G. Jacobson, I. Mohindra, and R. Held,*** and ***Binocular Visual Form Deprivation in Human Infants, by I. Mohindra, S.G. Jacobson and R. Held***

160 Richard Clemett comments on: ***A Prospective Follow-up Study of Panretinal Photocoagulation in Preventing Neovascular Glaucoma Following Ischaemic Central Retinal Vein Occlusion, by L. Laatikainen***

161 Richard H. Keates and Richard G. Lembach comment on: ***Intraocular Lenses Versus Extended Wear Contact Lenses in Aphakic Rehabilitation. A Controlled Clinical Study, by P. Bernth-Petersen and T. Sørensen***

162 Michael Field comments on: ***Cataract Extraction in the "Nineties," by P. Berth-Petersen and N. Ehlers***

163 David Taylor comments on: ***Central Nervous System Dysfunction as Early Sign of Neuronal Ceroid Lipofuscinosis (Batten's Disease), by K. Kristensen and H.C. Lou***

163 Richard L. Anderson comments on: ***Incidence of Eye Injuries in Facial Structures: An Analysis of 727 Cases, by G.R. Holt and J.E. Holt***

164 J. Reimer Wolter comments on: ***Pathogenesis of Cotton Wool Patches: A Clinical Study, by E. Chihara,*** and ***Morphologic Study of the Pathogenesis of Retinal Cotton Wool Spots, by M. Murata and H. Yoshimoto***

166 TIME OPH. ***Chic.*** Benjamin Milder, M.D.

November-December 1984

167 EDITORIAL. Bernard Schwartz, M.D., Ph.D.

168 IN MEMORIAM. Prof. Jules François. Bernard Schwartz, M.D., Ph.D.

169 REVIEW. ***Orbital Abscess.*** Albert Hornblass, M.D., Brian J. Herschorn, M.D., Kathleen Stern, M.D., and Cecil Grimes, M.D.

179 REVIEW. ***Autoenucleation.*** Howard R. Krauss, M.D., Robert D. Yee, M.D., and Robert Y. Foos, M.D.

188 CLINICAL PATHOLOGICAL REVIEW. ***Pyogenic Granulomas of the Cornea.*** Joseph M. Googe, M.D., Gary Mackman, M.D., Michael R. Peterson, M.D., Mark A. Richey, M.D., David J. Apple, M.D., Dean C. Brick, M.D., and Edward Shaw, M.D.

193 REVIEW IN MEDICINE. ***Migraine.*** Robert H. Spector, M.D.

208 CURRENT RESEARCH. ***Physiology and Pharmacology of Aqueous Humor Inflow.*** Keith Green, Ph.D., D.Sc.

215 CLINICAL CHALLENGES. ***Visual Loss "At Stool."*** Ronald M. Burde, M.D. ***Comments by:*** John W. Gittinger, M.D., John L. Keltner, M.D., and Neil R. Miller, M.D.

221 THE PRESENT SCENE. ***What Is a Profession? The Ethical Implications of the FTC Order and Some Supreme Court Decisions.*** Edmund D. Pellegrino, M.D.

226 AFTERIMAGES. ***Standardized Echography in the Differentiation of Orbital Lesions.*** Sandra Frazier Byrne

229 BOOK REVIEWS

229 ***Computerized Tomography in Orbital Disease and Neuro-Ophthalmology, by Robert G. Peyster and Eric D. Hoover.*** Peter M. Som

229 ***Cataract Surgery: Current Options and Problems, edited by Joel M. Engelstein.*** Kenneth R. Barasch

230 LETTERS

230 ***A Ridley Lens Successfully Implanted Since 1953.*** John D. Matthews, M.D.

230 ***Screening for Homocystinuria.*** George L. Spaeth, M.D.

231 CURRENT OPHTHALMOLOGY

231 Steven M. Drance comments on: ***Regional Optic Nerve Blood Flow and Its Autoregulation, by J.M. Weinstein, R.B. Duckrow, D. Beard and R.W. Brennan***

232 David S. Friendly comments on: ***The Otago Photoscreener, A Method for Mass Screening of Infants to Detect Squint and Refractive Errors, by A.C.B. Molteno, J. Hoare-Nairne, J.C. Parr, et al***

232 Mark J. Greenwald comments on: ***Pharmacologic Control of Cortical Plasticity, by J.D. Pettigrew***

233 John Keltner comments on: ***Impaired Visual Flicker Discrimination With Hypothalamic Pituitary Disease, by M.L. Daley and D.M. Cook***

234 David Sevel comments on: ***The Treatment of Necrotizing Scleritis With an Autogenous Periosteal Graft, by S. Koenig and H.E. Kaufman***

235 Paul Sieving comments on: ***Cone and Rod ERGs in Degenerations of Central Retina, by G. Niemeyer and E. Demant***

236 John A. Stanley comments on: ***Complications of Retrobulbar Marcaine Injection, by H.P. Beltranena, M.J. Vega, J.J. Garcia, and G. Blankenship***

236 William Layden comments on: ***Longterm Results of Trabeculectomy in the Japanese: An Analysis by Life Table Method, by Z. Inaba***

238 Robert N. Weinreb comments on: ***The Developing Bleb: Effect of Topical Antiprostaglandins on the Outcome of Glaucoma Fistulising Surgery, by C. Migdal and R. Hitchings***

January-February 1985

239 REVIEW. ***Tumors of the Optic Nerve Head.*** Gary C. Brown, M.D. and Jerry A. Shields, M.D.

265 THERAPEUTIC REVIEW. ***Tetracyclines in Ophthalmology.*** Samuel M. Salamon, M.D.

276 DIAGNOSTIC AND SURGICAL TECHNIQUES. ***Ocular Pneumoplethysmography.*** William Gee, M.D.

293 AFTERIMAGES. ***Pitfalls in Computed Tomographic Evaluation of the Cavernous Sinus.*** Lanning B. Kline, M.D. and B. Chandra-Sekar, M.B., B.S.

297 CLINICAL CHALLENGES. ***Unusual Visual Symptoms.*** Christian Wertenbaker, M.D. and Isaac Gutman, M.D.

300 HISTORY OF OPHTHALMOLOGY. ***Cocaine's Use in Ophthalmology: Our 100-Year Heritage.*** Adam J. Altman, B.A., Daniel M. Albert, M.D., and George A. Fournier, M.D.

307 BOOK REVIEW. ***YAG Laser Ophthalmic Microsurgery, by Stephen L. Trokel.*** Penny A. Asbell

308 TIME OPH. ***Glaucoma #2.*** Benjamin Milder.

309 CURRENT OPHTHALMOLOGY

309 Denis M. Carroll comments on: ***Vitrectomy in Children, by G.C. Brown, W.S. Tasman, and W.E. Benson***

309 Morton F. Goldberg comments on: ***Retinal Neovascularization, by D.B. Archer***

310 Creig S. Hoyt comments on: ***Prenatal and Postnatal Cellularity of the Human Corneal Endothelium, by C. Murphy, J. Alvarado, R. Juster, and M. Maglio***

311 Barbara Klein comments on: ***Prevalence and 15-year Incidence of Retinopathy and Associated Characteristics in Middle-aged and Elderly Diabetic Men, by L. Yanko, U. Goldbourt, IC Michaelson, et al***

312 Terence G. Klingele comments on: ***Intracranial Optic Nerve Infarction from Subdural Hematoma. Clinical and Pathologic Findings, by B. Skarf, R.L. Davis, H.A. Birsner, and W.F. Hoyt***

312 Steven G. Kramer comments on: ***The Effect of Radial Keratotomy in the Rupture Strength of Pig Eyes, by H.G. Rylander, A.J. Welch, and B. Fremming***

313 Hunter L. Little comments on: ***Nyctometry — A New Screening Method for Selection of Patients With Simple Diabetic Retinopathy Who Are at Risk of Developing Proliferative Retinopathy. Result of a 3-year Follow-up, by K. Frost-Larsen and H-W. Larsen***

314 Don S. Minckler comments on: ***Inhibition of Retrograde Axoplasmic Transport in Rat Optic Nerve by Increased IOP In Vitro, by J-O. Johansson***

315 Jerry A. Shields comments on: ***Current Options in the Management of Choroidal Melanoma, by W.S. Foulds***

316 Barry Skarf comments on: ***Pattern Visual Evoked Potentials and Spatial Vision in Retrobulbar Neuritis and Multiple Sclerosis, by D. Neima and D. Regan***

March-April 1985

317 EDITORIAL. Bernard Schwartz, M.D., Ph.D.

319 REVIEW. ***Melanocytoma: Nomenclature, Pathogenesis, Natural History and Treatment.*** James J. Reidy, M.D., David J. Apple, M.D., Robert L. Steinmetz, M.D., Judy M. Craythorn, M.D., Katherine Loftfield, M.D., Stephen C. Gieser, M.D., and Steven E. Brady, M.D.

328 CLINICAL PATHOLOGICAL REVIEW. ***Melanocytoma of the Ciliary Body: Presentation of Four Cases and Review of Nineteen Reports.*** George T. Frangieh, M.D., Fadi El Baba, M.D., Elias I. Traboulsi, M.D., and W. Richard Green, M.D.

335 THERAPEUTIC REVIEW. ***Ocular Drug Bioavailability From Topically Applied Liposomes.*** Vincent H. L. Lee, Ph.D., Paul T. Urrea, M.D., Ronald E. Smith, M.D., and David J. Schanzlin, M.D.

349 CLINICAL CHALLENGES. ***The Disc That Really Isn't (Hypoplastic Disc Syndrome).*** John L. Keltner, M.D. ***Comments by*** John W. Gittinger, Jr., M.D., Neil R. Miller, M.D., and Ronald M. Burde, M.D.

355 CURRENT RESEARCH. ***Retinal Neurotransmission.*** Christopher J. Pycock, Ph.D.

366 THE PRESENT SCENE. ***The Ambulatory Ophthalmic Surgery Unit: Concepts, Regulations, and Guidelines.*** James V. Aquavella, M.D.

371 MEDICOLEGALITIES. ***The Retinopathy of Prematurity: Medicolegal Aspects.*** Jerome W. Bettman, M.D.

374 AFTERIMAGES. ***The Diagnostic Value of Fungal Autofluorescence.*** Curtis E. Margo, M.D., and Thomas Bombardier, M.D.

377 BOOK REVIEWS

377 ***Clinical Ocular Pharmacology, edited by Jimmy D. Bartlett, O.D., and Siret D. Jaanus, Ph.D.*** Joel Mindel, M.D., Ph.D.

378 ***Pediatric Ophthalmology, by Leonard B. Nelson.*** Edward L. Raab, M.D.

378 ***Animal Models of Ocular Diseases, edited by Khalid F. Tabbara, M.D., and Robert M. Cello, V.M.D.*** Kirk N. Gelatt, D.V.M.

379 CURRENT OPHTHALMOLOGY

379 Robert S. Baker comments on: ***Eye-Pressing by Visually Impaired Children, by J. E. Jan, R. D. Freeman, A. Q. McCormick, et al.***

380 Arthur S. M. Lim comments on: ***Pseudophakodonesis and Corneal Endothelial Contact: Direct Observations by High-Speed Cinematography, by P. M. Jacobs, H. Cheng, and N. C. Price***

381 W. Bruce Wilson comments on: ***The 20/20 Eye in Multiple Sclerosis, by M. J. Kupersmith, J. I. Nelson, W. H. Seiple et al.***

382 William T. Shults comments on: ***Anterior Ischaemic Optic Neuropathy: Recurrent Episodes in the Same Eye, by R. W. Beck, P. J. Savino, N. J. Schatz, et al***

383 Perry S. Binder comments on: ***Topographical Analysis of the Cornea: Ten Caveats in Keratorefractive Surgery, by J. J. Rowsey***

383 John Hetherington comments on: ***Earlier Trabeculectomy, by J. L. Jay***

384 H. Bruce Ostler comments on: ***Endothelial Cell Loss in Herpes Zoster Keratouveitis, by A. A. Reijo, V. Antti, and M. Jukka***

385 Barbara Klein comments on: ***Age and Sex Distribution of Some Retinal Macular Diseases: Senile and Presenile Macular Degeneration and Central Serous Retinitis, by B. Knave, B. Tengroth, and M. Voss***

386 LETTERS. Robert G. Smith, M.D., and Jemshed Khan, M.D.

May-June 1985

387 REVIEW. ***Axenfeld-Rieger Syndrome. A Spectrum of Developmental Disorders.*** M. Bruce Shields, M.D., Edward Buckley, M.D., Gordon K. Klintworth, M.D., Ph.D., and Randy Thresher

410 DIAGNOSTIC AND SURGICAL TECHNIQUES. ***Fine Needle Aspiration Biopsy in Ophthalmology.*** Edoardo Midena, M.D., Tatiana Segato, M.D., Stefano Piermarocchi, M.D., and Paolo Boccato, M.D., F.I.A.C.

423 CLINICAL PATHOLOGICAL REVIEW. ***Iris Melanoma. Nevus or Malignancy?*** Robert C. Kersten, M.D., David T. Tse, M.D., and Richard Anderson, M.D.

434 CURRENT RESEARCH. ***Proliferative Vitreoretinopathy and Chemotherapeutic Agents.*** Gholam A. Peyman, M.D., and Joel Schulman, M.D.

443 CLINICAL CHALLENGES. ***Lid Retraction or No Lid Retraction in Optic Neuropathy With Proptosis.*** Neil R. Miller, M.D. ***Comments by*** John W. Gittinger, M.D., John L. Keltner, M.D., and Ronald M. Burde, M.D.

450 BOOK REVIEWS

450 ***Corneal Grafting: Principles and Practice, by T.A. Casey and Daniel J. Mayer.*** Richard C. Troutman, M.D.

450 ***Infectious Diseases of the Eye, by Gilbert Smolin, Khalid Tabbara, and John Whitcher.*** George M. Bohigian, M.D.

451 ***Color and Fluorescein Angiographic Atlas of Retinal Vascular Disorders, by David H. Orth.*** Steven A. Teich, M.D.

452 CURRENT OPHTHALMOLOGY

452 H. Stanley Thompson comments on: ***Anisocoria in Untreated Open-Angle Glaucoma, by R. Hahnenberger***

453 James Sharpe comments on: ***Pursuit Gaze and the Occipitoparietal Region. A Case Report, by A.G. Reeves, J. Perret, L.R. Jenkyn, and J-M Saint-Hilaire***

454 Michael Sanders comments on: ***Contusional Injuries of the Distal Optic Nerve, by D.B. Archer***

455 Alfred Sommer comments on: ***Eye Disease in the West Bank and Gaza Strip, by I.M. Thomson and L.C. Chumbley***

456 Jean Carruthers comments on: *Leber's Congenital Amaurosis. Relationship of Structural CNS Anomalies to Psychomotor Retardation, by J.M. Weinstein, M. Gleaton, W.A. Weidner, and R.S.K. Young*

457 Lee M. Jampol comments on: *Retinal Vein Occlusion: C-Reactive Protein and Arterial Hypertension, by P.M. Dodson and B. Shine*

457 Chandler R. Dawson comments on: *Double-blind Placebo-Controlled Trial of Oral Acyclovir in First-Episode Genital Herpes Simplex Virus Infection, by G.J. Mertz, C.W. Critchlow, J. Beneditti, et al*

458 Glen Gole comments on: *Familial Exudative Vitreoretinopathy Associated with Familial Thrombocytopathy, by P.R. Chaudhuri, A.R. Rosenthal, D.B. Goulstine, et al*

459 Robert C. Drews comments on: *Intraocular Lens Implantation: Should We Abandon Intracapsular Surgery?, by H. Cheng*

460 Ronald Burde comments on: *Innervation of Monkey Extraocular Muscles: Localization of Sensory and Motor Neurons by Retrograde Transport of Horseradish Peroxidase, by J.D. Porter, B.L. Guthrie and D.L. Sparks*

461 Lawrence Tychsen comments on: *Postural Sway and Gait in Children With Convergent Strabismus, by P. Odenrick, P. Sandstedt, and G. Lennerstrand*

462 TIME OPH. *Healon.* Ben Milder

463 ANNUAL INDEX

Published bimonthly by Survey of Ophthalmology Inc., 7 Kent Street, Suite 4, Brookline, MA. 02146. Subscription price — Individual: USA, $40, Canada, $45, Foreign, $55/Institutions: USA, $45, Canada, $45, Foreign, $55. Second class postage paid at Boston, MA and additional mailing offices.
Publication Number is 529880. ISSN-0039-6257.
POSTMASTER: Send address changes to SURVEY OF OPHTHALMOLOGY, 7 Kent Street, Suite 4, Brookline, MA 02146.